



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2 Application Serial No. 09/636,004
3 Filing Date Aug 09, 2000
4 Confirmation No. 5417
5 Inventorship del Val
6 Applicant Microsoft Corporation
Group Art Unit 2141
7 Examiner SHAW, JOSEPH D
8 Attorney's Docket No. MS1-542US
9 Title: Fast Dynamic Measurement of Connection Bandwidth

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MAY 21 2004

Technology Center 2100

INFORMATION DISCLOSURE STATEMENT

References – See Attached Form PTO-1449

10 To: Commissioner for Patents
11 PO Box 1450
12 Alexandria, VA 22313-1450

13 From: Kasey C. Christie (Tel. 509-324-9256; Fax 509-323-8979)
14 Lee & Hayes, PLLC
15 421 W. Riverside Avenue, Suite 500
16 Spokane, WA 99201

17 The attached form PTO-1449 is submitted in compliance with Applicant's duty of
18 disclosure under 37 CFR §1.56. The Examiner is requested to make these citations of
19 official record in this application.

20 The Commissioner is hereby authorized to charge payment of fees or credit
21 overpayments to Deposit Account No. 12-0769 as set forth in 37 CFR §1.17(p).

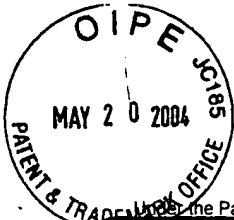
22 Dated: 5-18-04

By: Kasey C. Christie

Kasey C. Christie
Reg. No. 40,559

05/20/2004 JAD01 00000046 120769 09636004

01 FC:1806 180.00 DA



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PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0851-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	09/636,004
Filing Date	Aug 09, 2000
First Named Inventor	del Val
Examiner Name	SHAW, JOSEPH D
Art Unit	2141
Attorney Docket No.	MS1-542US

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METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

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Account
Name

12-0769

Lee & Hayes, PLLC

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	= 0
Multiple Dependent Claims	- 3** =	X	= 0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

Name (Print/Type)	Kasey C. Christie	Registration No. (Attorney/Agent)	40,559	Telephone	(509) 324-9256
Signature		Date	5-18-04		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/21 (08-00)
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/636,004	RECEIVED MAY 21 2004 Technology Center 2100
	Filing Date	Aug 09, 2000	
	First Named Inventor	del Val	
	Group Art Unit	2141	
	Examiner Name	SHAW, JOSEPH D	
Total Number of Pages in This Submission		Attorney Docket Number	MS1-542US

ENCLOSURES <i>(check all that apply)</i>		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i>	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) Sheets	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i>
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kasey C. Christie, Reg. No. 40,559
Signature	
Date	5-18-04

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: _____	
Typed or printed name	Julie Gehlen
Signature	
Date	5-18-04

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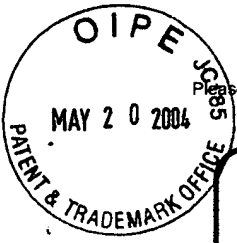
Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/636,004
				Filing Date	Aug 09, 2000
				First Named Inventor	del Val
				Group Art Unit	2141
				Examiner Name	SHAW, JOSEPH D
Sheet	1	of	4	Attorney Docket Number	MS1-542US

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (if known)			
		2002/0048448		Daniels	04-25-2002	
		6,327,421		Tiwari et al.	12-04-2001	
		6,014,706		Cannon et al.	01-11-2000	
		6,314,492		Allen et al.	11-06-2001	
		5,787,472		Dan et al.	07-28-1998	
		5,995,705		Lang	11-30-1999	
		5,978,567		Rebane et al.	11-02-1999	
		5,963,202		Polish	10-05-1999	
		5,710,970		Walters et al.	01-20-1998	
		5,440,334		Walters et al.	08-08-1995	
		5,262,875		Mincer et al.	11-16-1993	
		5,164,839		Lang	11-17-1992	
		5,057,932		Lang	10-15-1991	
		4,963,995		Lang	10-16-1990	
		5,568,181		Greenwood et al.	10-22-1996	
		5,996,015		Day et al.	11-30-1999	
		6,111,567		Savchenko et al.	08-29-2000	
		6,343,298		Savchenko et al.	01-29-2002	
		5,835,495		Ferriere	11-10-1998	
		6,292,834		Ravi et al.	09-18-2001	

[illegible]

Examiner Signature		Date Considered	
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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/636,004
				Filing Date	Aug 09, 2000
				First Named Inventor	del Val
				Group Art Unit	2141
				Examiner Name	SHAW, JOSEPH D
				Attorney Docket Number	MS1-542US
Sheet	3	of	4		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PAKNIKAR, Shantanu, et al. "A Caching and Streaming Framework for Multimedia," ACM Multimedia 2000, Los Angeles, CA; pp. 13-20.	
		GUO, Katherine, et al. "RCache: Design and Analysis of Scalable, Fault Tolerant Multimedia Stream Caching Schemes," Scalability and Traffic Control in IP Networks, Proceedings of SPIE Vol. 4526, (2001); pp. 68-86.	
		ABOUBAKER, N., et al., "Streaming Media Congestion Control Using Bandwidth Estimation," Lecture Notes in Computer Science, 2002, vol. 2496, pp. 89-100.	
		LIEFOOGHE, P., et al., "An Architecture for Seamless Access to Multicast Content," Proceedings of the 26th Annual IEEE Conference on Local Computer Networks, November 8, 2000, pp. 488-494.	
		BRAUN, T., et al., "Multicast for Small Conferences," Proceedings of the Sixth IEEE Symposium on Computers and Communications, July 3, 2001, pp. 145-150.	
		FLEISCHMAN, E., "WAVE and AVI Codec Registries," Network Working Group Request for Comments: 2361, The Internet Society, June 1998, pp. 1-71.	
		CAMARILLO, G., et al., "Grouping of Media Lines in the Session Description Protocol (SDP)," Network Working Group Request for Comments: 3388, The Internet Society, December 2002, pp. 1-21.	
		HANDLEY, M., et al., "SDP: Session Description Protocol," Network Working Group Request for Comments: 2327, The Internet Society, April 1998, pp. 1-42.	
		"Advanced Systems Format (ASF) Specification," Revision 01.20.01e, Microsoft Corp., September 2003, pp. i-vi and 1-93.	
		SCHULZRINNE, H., et al., "RTP: A Transport Protocol for Real-Time Applications," Network Working Group Request for Comments: 3550, July 2003, pp. 1-104.	
		SCHULZRINNE, H., et al., "Real Time Streaming Protocol (RTSP)," Network Working Group Request for Comments: 2326, The Internet Society (April 1998). pp. 1-92.	

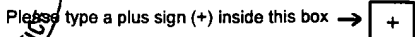
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